

PAGE: 1

ket

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/873,601

DATE: 01/13/1999  
TIME: 17:18:32

Input Set: H873601.RAW

This Raw Listing contains the General Information Section and up to first 5 pages.

new format

ENTERED

```

1 <110> APPLICANT: Nolan, Garry P.
2   Payan, Donald
3 <120> TITLE OF INVENTION: COMBINATORIAL ENZYMATIc COMPLEXES
4 <130> FILE REFERENCE: A-63915/DJB/RMS
5 <140> CURRENT APPLICATION NUMBER: US/08/873,601
6 <141> CURRENT FILING DATE: 1997-06-12
7 <160> NUMBER OF SEQ ID NOS: 35
8 <170> SOFTWARE: PatentIn Ver. 2.0
9 <210> SEQ ID NO 1
10 <211> LENGTH: 61
11 <212> TYPE: PRT
12 <213> ORGANISM: Artificial Sequence
13 <220> FEATURE:
14 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
15 <400> SEQUENCE: 1
16   Met Gly Cys Ala Ala Leu Glu Ser Glu Val Ser Ala Leu Glu Ser Glu
17     1           5           10           15
18   Val Ala Ser Leu Glu Ser Glu Val Ala Ala Leu Gly Arg Gly Asp Met
19           20           25           30
20   Pro Leu Ala Ala Val Lys Ser Lys Leu Ser Ala Val Lys Ser Lys Leu
21           35           40           45
22   Ala Ser Val Lys Ser Lys Leu Ala Ala Cys Gly Pro Pro
23     50           55           60
24 <210> SEQ ID NO 2
25 <211> LENGTH: 69
26 <212> TYPE: PRT
27 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
30 <400> SEQUENCE: 2
31   Met Gly Arg Asn Ser Gln Ala Thr Ser Gly Phe Thr Phe Ser His Phe
32     1           5           10           15
33   Tyr Met Glu Trp Val Arg Gly Gly Glu Tyr Ile Ala Ala Ser Arg His
34           20           25           30
35   Lys His Asn Lys Tyr Thr Thr Glu Tyr Ser Ala Ser Val Lys Gly Arg
36           35           40           45
37   Tyr Ile Val Ser Arg Asp Thr Ser Gln Ser Ile Leu Tyr Leu Gln Lys
38     50           55           60
39   Lys Lys Gly Pro Pro
40     65
41 <210> SEQ ID NO 3
42 <211> LENGTH: 7
43 <212> TYPE: PRT
44 <213> ORGANISM: SV 40

```

PAGE: 2

RAW SEQUENCE LISTING  
 PATENT APPLICATION US/08/873,601

DATE: 01/13/1999  
 TIME: 17:18:32

Input Set: H873601.RAW

45. <400> SEQUENCE: 3  
 46 Pro Lys Lys Lys Arg Lys Val  
 47 1 5  
 48 <210> SEQ ID NO 4  
 49 <211> LENGTH: 6  
 50 <212> TYPE: PRT  
 51 <213> ORGANISM: Homo sapiens  
 52 <400> SEQUENCE: 4  
 53 Ala Arg Arg Arg Arg Pro  
 54 1 5  
 55 <210> SEQ ID NO 5  
 56 <211> LENGTH: 10  
 57 <212> TYPE: PRT  
 58 <213> ORGANISM: Homo sapiens  
 59 <400> SEQUENCE: 5  
 60 Glu Glu Val Gln Arg Lys Arg Gln Lys Leu  
 61 1 5 10  
 62 <210> SEQ ID NO 6  
 63 <211> LENGTH: 9  
 64 <212> TYPE: PRT  
 65 <213> ORGANISM: Homo sapiens  
 66 <400> SEQUENCE: 6  
 67 Glu Glu Lys Arg Lys Arg Thr Tyr Glu  
 68 1 5  
 69 <210> SEQ ID NO 7  
 70 <211> LENGTH: 20  
 71 <212> TYPE: PRT  
 72 <213> ORGANISM: Xenopus laevis  
 73 <400> SEQUENCE: 7  
 74 Ala Val Lys Arg Pro Ala Ala Thr Lys Lys Ala Gly Gln Ala Lys Lys  
 75 1 5 10 15  
 76 Lys Lys Leu Asp  
 77 20  
 78 <210> SEQ ID NO 8  
 79 <211> LENGTH: 31  
 80 <212> TYPE: PRT  
 81 <213> ORGANISM: Homo sapiens  
 82 <400> SEQUENCE: 8  
 83 Met Ala Ser Pro Leu Thr Arg Phe Leu Ser Leu Asn Leu Leu Leu Leu  
 84 1 5 10 15  
 85 Gly Glu Ser Ile Leu Gly Ser Gly Glu Ala Lys Pro Gln Ala Pro  
 86 20 25 30  
 87 <210> SEQ ID NO 9  
 88 <211> LENGTH: 21  
 89 <212> TYPE: PRT  
 90 <213> ORGANISM: Homo sapiens  
 91 <400> SEQUENCE: 9  
 92 Met Ser Ser Phe Gly Tyr Arg Thr Leu Thr Val Ala Leu Phe Thr Leu  
 93 1 5 10 15  
 94 Ile Cys Cys Pro Gly

PAGE: 3

RAW SEQUENCE LISTING  
 PATENT APPLICATION US/08/873,601

DATE: 01/13/1999  
 TIME: 17:18:32

Input Set: H873601.RAW

```

95          20
96 <210> SEQ ID NO 10
97 <211> LENGTH: 51
98 <212> TYPE: PRT
99 <213> ORGANISM: Homo sapiens
100 <400> SEQUENCE: 10
101   Pro Gln Arg Pro Glu Asp Cys Arg Pro Arg Gly Ser Val Lys Gly Thr
102     1          5          10          15
103   Gly Leu Asp Phe Ala Cys Asp Ile Tyr Ile Trp Ala Pro Leu Ala Gly
104           20          25          30
105   Ile Cys Val Ala Leu Leu Leu Ser Leu Ile Ile Thr Leu Ile Cys Tyr
106           35          40          45
107   His Ser Arg
108     50
109 <210> SEQ ID NO 11
110 <211> LENGTH: 33
111 <212> TYPE: PRT
112 <213> ORGANISM: Homo sapiens
113 <400> SEQUENCE: 11
114   Met Val Ile Ile Val Thr Val Val Ser Val Leu Leu Ser Leu Phe Val
115     1          5          10          15
116   Thr Ser Val Leu Leu Cys Phe Ile Phe Gly Gln His Leu Arg Gln Gln
117           20          25          30
118   Arg
119 <210> SEQ ID NO 12
120 <211> LENGTH: 37
121 <212> TYPE: PRT
122 <213> ORGANISM: Unknown
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Description of Unknown Organism: UNKNOWN
125 <400> SEQUENCE: 12
126   Pro Asn Lys Gly Ser Gly Thr Thr Ser Gly Thr Thr Arg Leu Leu Ser
127     1          5          10          15
128   Gly His Thr Cys Phe Thr Leu Thr Gly Leu Leu Gly Thr Leu Val Thr
129           20          25          30
130   Met Gly Leu Leu Thr
131     35
132 <210> SEQ ID NO 13
133 <211> LENGTH: 14
134 <212> TYPE: PRT
135 <213> ORGANISM: Unknown
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Description of Unknown Organism: UNKNOWN
138 <400> SEQUENCE: 13
139   Met Gly Ser Ser Lys Ser Lys Pro Lys Asp Pro Ser Gln Arg
140     1          5          10
141 <210> SEQ ID NO 14
142 <211> LENGTH: 26
143 <212> TYPE: PRT
144 <213> ORGANISM: Unknown

```

PAGE: 4

RAW SEQUENCE LISTING  
 PATENT APPLICATION US/08/873,601

DATE: 01/13/1999  
 TIME: 17:18:32

Input Set: H873601.RAW

145 <220> FEATURE:  
 146 <223> OTHER INFORMATION: Description of Unknown Organism: UNKNOWN  
 147 <400> SEQUENCE: 14  
 148 Leu Leu Gln Arg Leu Phe Ser Arg Gln Asp Cys Cys Gly Asn Cys Ser  
 149 1 5 10 15  
 150 Asp Ser Glu Glu Glu Leu Pro Thr Arg Leu  
 151 20 25  
 152 <210> SEQ ID NO 15  
 153 <211> LENGTH: 20  
 154 <212> TYPE: PRT  
 155 <213> ORGANISM: Unknown  
 156 <220> FEATURE:  
 157 <223> OTHER INFORMATION: Description of Unknown Organism: UNKNOWN  
 158 <400> SEQUENCE: 15  
 159 Lys Gln Phe Arg Asn Cys Met Leu Thr Ser Leu Cys Cys Gly Lys Asn  
 160 1 5 10 15  
 161 Pro Leu Gly Asp  
 162 20  
 163 <210> SEQ ID NO 16  
 164 <211> LENGTH: 19  
 165 <212> TYPE: PRT  
 166 <213> ORGANISM: Unknown  
 167 <220> FEATURE:  
 168 <223> OTHER INFORMATION: Description of Unknown Organism: UNKNOWN  
 169 <400> SEQUENCE: 16  
 170 Leu Asn Pro Pro Asp Glu Ser Gly Pro Gly Cys Met Ser Cys Lys Cys  
 171 1 5 10 15  
 172 Val Leu Ser  
 173 <210> SEQ ID NO 17  
 174 <211> LENGTH: 5  
 175 <212> TYPE: PRT  
 176 <213> ORGANISM: Unknown  
 177 <220> FEATURE:  
 178 <223> OTHER INFORMATION: Description of Unknown Organism: UNKNOWN  
 179 <400> SEQUENCE: 17  
 180 Lys Phe Glu Arg Gln  
 181 1 5  
 182 <210> SEQ ID NO 18  
 183 <211> LENGTH: 36  
 184 <212> TYPE: PRT  
 185 <213> ORGANISM: Unknown  
 186 <220> FEATURE:  
 187 <223> OTHER INFORMATION: Description of Unknown Organism: UNKNOWN  
 188 <400> SEQUENCE: 18  
 189 Met Leu Ile Pro Ile Ala Gly Phe Phe Ala Leu Ala Gly Leu Val Leu  
 190 1 5 10 15  
 191 Ile Val Leu Ile Ala Tyr Leu Ile Gly Arg Lys Arg Ser His Ala Gly  
 192 20 25 30  
 193 Tyr Gln Thr Ile  
 194 35

PAGE: 5

RAW SEQUENCE LISTING  
 PATENT APPLICATION US/08/873,601

DATE: 01/13/1999  
 TIME: 17:18:32

Input Set: H873601.RAW

195 <210> SEQ ID NO 19  
 196 <211> LENGTH: 35  
 197 <212> TYPE: PRT  
 198 <213> ORGANISM: Unknown  
 199 <220> FEATURE:  
 200 <223> OTHER INFORMATION: Description of Unknown Organism: UNKNOWN  
 201 <400> SEQUENCE: 19  
 202 Leu Val Pro Ile Ala Val Gly Ala Ala Leu Ala Gly Val Leu Ile Leu  
 203 1 5 10 15  
 204 Val Leu Leu Ala Tyr Phe Ile Gly Leu Lys His His His Ala Gly Tyr  
 205 20 25 30  
 206 Glu Gln Phe  
 207 35  
 208 <210> SEQ ID NO 20  
 209 <211> LENGTH: 27  
 210 <212> TYPE: PRT  
 211 <213> ORGANISM: Saccharomyces cerevisiae  
 212 <400> SEQUENCE: 20  
 213 Met Leu Arg Thr Ser Ser Leu Phe Thr Arg Arg Val Gln Pro Ser Leu  
 214 1 5 10 15  
 215 Phe Ser Arg Asn Ile Leu Arg Leu Gln Ser Thr  
 216 20 25  
 217 <210> SEQ ID NO 21  
 218 <211> LENGTH: 25  
 219 <212> TYPE: PRT  
 220 <213> ORGANISM: Saccharomyces cerevisiae  
 221 <400> SEQUENCE: 21  
 222 Met Leu Ser Leu Arg Gln Ser Ile Arg Phe Phe Lys Pro Ala Thr Arg  
 223 1 5 10 15  
 224 Thr Leu Cys Ser Ser Arg Tyr Leu Leu  
 225 20 25  
 226 <210> SEQ ID NO 22  
 227 <211> LENGTH: 64  
 228 <212> TYPE: PRT  
 229 <213> ORGANISM: Saccharomyces cerevisiae  
 230 <400> SEQUENCE: 22  
 231 Met Phe Ser Met Leu Ser Lys Arg Trp Ala Gln Arg Thr Leu Ser Lys  
 232 1 5 10 15  
 233 Ser Phe Tyr Ser Thr Ala Thr Gly Ala Ala Ser Lys Ser Gly Lys Leu  
 234 20 25 30  
 235 Thr Gln Lys Leu Val Thr Ala Gly Val Ala Ala Ala Gly Ile Thr Ala  
 236 35 40 45  
 237 Ser Thr Leu Leu Tyr Ala Asp Ser Leu Thr Ala Glu Ala Met Thr Ala  
 238 50 55 60  
 239 <210> SEQ ID NO 23  
 240 <211> LENGTH: 41  
 241 <212> TYPE: PRT  
 242 <213> ORGANISM: Saccharomyces cerevisiae  
 243 <400> SEQUENCE: 23  
 244 Met Lys Ser Phe Ile Thr Arg Asn Lys Thr Ala Ile Leu Ala Thr Val

PAGE: 6

VERIFICATION SUMMARY  
PATENT APPLICATION US/08/873,601

DATE: 01/13/1999

TIME: 17:18:32

Input Set: H873601.RAW

Line ? Error/Warning

Original Text

---